

ABSTRACT

An air source (11) is connected to an air motor (3) through an electropneumatic converter (12) which is connected to a rotational controller (13). Upon changing settings in a target rotational speed (N_0) or paint discharge rate (Q_0), in order to supply a necessary air pressure for rotationally driving the air motor (3) in a steady state with new setting conditions, the rotation controller (13) selects a steady value (i_s) from a rotational data selection processing table, and outputs to the electropneumatic converter (12) the newly selected steady value (i_s) as an input current value (i). By so doing, the rotational speed of the air motor (3) is quickly controlled toward the changed target rotational speed (N_0).